



**OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act**

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Date Issued:

Permit Number:

456986

Date Expires: May 1, 2013

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Issued To:

APAC-Mississippi, Inc.

Installation Address:

Highway 64 East  
Vulcan Quarry  
Savannah

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Installation Description:

-01: Batch Mix Hot Mix Asphalt Plant  
with Fabric Filter Control.

Emission Source Reference No.:

36-0079  
NSPS

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The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

**General Condition:**

1. The application that was utilized in the preparation of this permit is dated **November 25, 2003**, signed by **Brian Moore**, Environmental Manager, for the permitted facility. If this person terminates employment or reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

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TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

**POST AT INSTALLATION ADDRESS**

CN-0827 (Rev. 9-92)

RDA-1298

General Conditions for this source are as follows.

2. The Permittee has elected to opt-out of being issued a major source operating permit pursuant to Division Rule 1200-3-9-.02(11)(a). The Permittee would be considered a major source because their "potential to emit" value(s) for **carbon monoxide (CO)** and **nitrogen oxides (NO<sub>x</sub>)** are greater than **100 tons per year each** at the time of application. The Permittee has agreed to be subject to limitations in order to be below the major source applicability threshold for **CO** and **NO<sub>x</sub>** of **100 tons per year each**.
3. The Permittee is placed on notice that **Condition 19** of this permit contains a limitation that allows the Permittee to opt out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by this limit will not only subject the Permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.

Compliance with **Condition 19** assures that the source will be below the major source applicability thresholds for **CO** and **NO<sub>x</sub>** of **100 tons per year each**.

This assurance is based on AP-42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated **December, 2000**), from which the emission factor was used to calculate emissions as shown below:

Parameter	Based on use of a Batch mixer type asphalt plant			
	AP-42 Table	Emission Factor, lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
CO	11.1-7	0.4	394.2	<b>64.8</b>
NO <sub>x</sub>	11.1-7	0.12	118.3	<b>19.4</b>

4. Any noncompliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability threshold(s) of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations, shall be reported in writing to the Technical Secretary within fifteen (15) working days of such discovery. This notification, at a minimum, shall include the identification of the source, identification of the permit condition(s) violated and details of the violation.
5. This permit supersedes any previous permit for this air contaminant source.
6. The Permittee shall apply for renewal of this permit not less than sixty (60) days prior to this permit's expiration date pursuant to the Division Rule 1200-3-9-.02(3).
7. This permit is valid only at this location.
8. The issuance of this permit does not exempt the Permittee from any requirements of the Environmental Protection Agency pertaining to emissions for the operation of this source.
9. Visible emissions from roads and parking areas shall not exceed ten (10) percent opacity utilizing Tennessee Visible Emission Evaluation (TVEE) Method 1, as adopted

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by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982, and as amended on August 24, 1984.

This condition is established pursuant to Rule 1200-3-8-.01(1) of the Tennessee Air Pollution Control Regulations.

10. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.

This condition is established pursuant to Rule 1200-3-5-.01(2) of the Tennessee Air Pollution Control Regulations.

11. Visible emissions from this facility not covered by **Conditions 9 and 10** shall not exceed twenty (20) percent as determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (6-minute average).

This condition is established pursuant to Rule 1200-3-5-.01(1) and -.03(6) of the Tennessee Air Pollution Control Regulations.

12. The control device(s) must operate at all times when this source is operating. Excess emissions shall be addressed as specified in **Condition 15**.

13. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.

14. Should proof of compliance for the pollutants with emission limitations placed on this permit be required, the emissions measuring test methods and procedures are the following:

Pollutant or Parameter	Testing Methodology
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Nitrogen Oxides	EPA Method 7 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A
Sulfur Dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A
Volatile Organic Compounds (Total gaseous organic concentration using a flame ionization analyzer)	EPA Method 25A as published in the current 40 CFR 60, Appendix A
Visible Emissions – Openings & Stacks	EPA Method 9 (6-minute Average) as published in the current 40 CFR 60, Appendix A
Visible Emissions – Roads & Pkg Lots	Tennessee Visible Emission Evaluation Method 1 as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982 and as amended on August 24, 1984
Visible Emissions – Fugitive	Tennessee Visible Emission Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986

15. Upon the malfunction/failure of any emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
16. A written report stating the compliance status of this facility with permit **Conditions 19** and **21** shall be submitted by **March 31** of every year having begun in **2004**. This report shall cover the preceding calendar year, and shall include the records required by **Condition 23**. This report shall be submitted to:

Air Pollution Control Manager  
Jackson Environmental Assistance Center  
362 Carriage House Drive  
Jackson, TN 38305-2222.

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17. The stated design capacity of this source is **225** tons per hour and the fuel oil input rate is **1.75** gallons per ton of asphalt produced. A construction permit must be obtained before modifying the plant so that it can exceed these levels. The Permittee is not required to keep production records to demonstrate compliance with these levels; however, the Technical Secretary may require the Permittee to prove compliance with them.
18. Only **fuel oil, natural gas, and liquid petroleum gas** shall be used as fuels for this source.
19. Production rate for this source shall not exceed **324,000** tons during any period of 12-consecutive months.
- This limitation is established pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter from the Permittee dated **(later)**.
20. Particulate matter emitted from this source shall not exceed **0.04** grains per dry standard cubic foot (**7.8** pounds per hour).
- This condition is established pursuant to Rule 1200-3-16-.08(3)(a) of the Tennessee Air Pollution Control Regulations.
21. Sulfur dioxide emitted from this source shall not exceed **19.8** pounds per hour. Compliance with **Condition 19** satisfies this condition.
- This limitation is established pursuant to Rule 1200-3-14-.01(3) of the Tennessee Air Pollution Control Regulations and the information contained in the mutual agreement letter dated **(later)**.
22. The carbon monoxide (**CO**), volatile organic compounds (**VOC**), and nitrogen oxide (**NO<sub>x</sub>**) pollutants shall not exceed the amounts stated in the following table in pounds per hour:

<u>Pollutant</u>	<u>Pounds/hour</u>
CO	90.0
VOC	8.1

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NO<sub>x</sub>

27.0

Compliance with **Condition 19** will satisfy this condition.

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23. A log of the asphalt production for this source that shows compliance with **Condition 19**, in a form that readily provides the information required in the tables below, shall be maintained at the source location and kept available for inspection by the Technical Secretary or Division representative. This record shall be retained for a period of not less than five (5) years.

MONTH: \_\_\_\_\_ YEAR: \_\_\_\_\_

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(End of Conditions)